

Crime Board (Views)

Class: DAMG6210

CRN: 16149

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Files in ZIP:

Normalization - Crimeboard Assignment 4.pdf – Normalization document

Views – Crimeboard Assignment 4.pdf – Views document

Crimeboard SQL Assignment 4.sql – SQL for the views created for use cases

Use Cases:

1. Which firearm recovery incident date correlates with the incident report date?

Query:

```
1 • CREATE VIEW firearm_incident AS
2   Select firearm_recovery.id,
3   firearm_recovery.collection_date,
4   incidents.occurred_on_date from firearm_recovery
5   inner join incidents on firearm_recovery.collection_date =incidents.occurred_on_date
6   order by firearm_recovery.collection_date;
```

Output:

| Result Grid | | |
|-------------|---------------------|---------------------|
| 100% | Filter Rows: | Search |
| id | collection_date | occurred_on_date |
| 22794 | 2022-01-01 00:00:00 | 2022-01-01 00:00:00 |
| 22795 | 2022-01-02 00:00:00 | 2022-01-02 00:00:00 |
| 22795 | 2022-01-02 00:00:00 | 2022-01-02 00:00:00 |
| 22803 | 2022-01-10 00:00:00 | 2022-01-10 00:00:00 |
| 22804 | 2022-01-11 00:00:00 | 2022-01-11 00:00:00 |
| 22811 | 2022-01-18 00:00:00 | 2022-01-18 00:00:00 |
| 22816 | 2022-01-23 00:00:00 | 2022-01-23 00:00:00 |
| 22839 | 2022-02-15 00:00:00 | 2022-02-15 00:00:00 |
| 22843 | 2022-02-19 00:00:00 | 2022-02-19 00:00:00 |
| 22850 | 2022-02-26 00:00:00 | 2022-02-26 00:00:00 |
| 22859 | 2022-03-07 00:00:00 | 2022-03-07 00:00:00 |
| 22860 | 2022-03-08 00:00:00 | 2022-03-08 00:00:00 |
| 22861 | 2022-03-09 00:00:00 | 2022-03-09 00:00:00 |
| 22871 | 2022-03-19 00:00:00 | 2022-03-19 00:00:00 |
| 22873 | 2022-03-21 00:00:00 | 2022-03-21 00:00:00 |

2. Which shooting date correlates with the incident report date?

Query:

```
8 •  CREATE VIEW shooting_incident AS
9   Select shooting.incident_number,
10    shooting.shooting_date,
11    shooting.district_cd,
12    shooting.shooting_type,
13    shooting.victim,
14    shooting.victim_gender,
15    shooting.victim_race,
16    shooting.victim_ethnicity,
17    shooting.multi_victim from shooting
18    left join incidents on shooting.shooting_date = incidents.occurred_on_date
19    order by shooting.shooting_date;
```

Output:

1 • `SELECT * FROM crimeboard.shooting_incident;`

Result Grid Filter Rows: Search Export:

| incident_number | shooting_date | district_cd | shooting_type | victim | victim_gender | victim_race | victim_ethnicity | multi_vict... |
|-----------------|---------------------|-------------|---------------|--------|---------------|---------------------------|------------------------|---------------|
| 222000057 | 2022-01-01 04:20:16 | B2 | Non-Fatal | NULL | Male | Unknown | Hispanic or Latinx | f |
| 222000343 | 2022-01-02 18:12:19 | B2 | Non-Fatal | NULL | Male | Black or African American | Not Hispanic or Latinx | f |
| 222000342 | 2022-01-02 18:25:12 | C11 | Fatal | NULL | Female | Black or African American | NULL | t |
| 222002059 | 2022-01-10 20:57:00 | B2 | Non-Fatal | NULL | Male | Black or African American | Hispanic or Latinx | t |
| 222002279 | 2022-01-11 22:26:00 | B2 | Non-Fatal | NULL | Male | Black or African American | Unknown | f |
| 222003887 | 2022-01-18 18:51:10 | C6 | Non-Fatal | NULL | Male | White | NULL | f |
| 222005232 | 2022-01-24 20:18:00 | A7 | Non-Fatal | NULL | Male | Black or African American | Not Hispanic or Latinx | f |
| 222010971 | 2022-02-15 01:56:00 | C6 | Non-Fatal | NULL | Male | White | Hispanic or Latinx | f |
| 222012303 | 2022-02-19 23:12:00 | B3 | Non-Fatal | NULL | Female | Black or African American | Not Hispanic or Latinx | t |
| 222013916 | 2022-02-26 22:43:00 | C11 | Non-Fatal | NULL | Male | White | Not Hispanic or Latinx | f |
| 222016123 | 2022-03-07 16:33:00 | D14 | Non-Fatal | NULL | Male | Black or African American | NULL | f |
| 222016376 | 2022-03-08 16:24:00 | A7 | Non-Fatal | NULL | Male | Unknown | Hispanic or Latinx | f |
| 222016718 | 2022-03-09 22:57:00 | C11 | Non-Fatal | NULL | Male | Black or African American | Hispanic or Latinx | f |
| 222019112 | 2022-03-19 00:03:00 | C11 | Non-Fatal | NULL | Male | White | Hispanic or Latinx | f |
| 222019622 | 2022-03-21 02:18:00 | B3 | Non-Fatal | NULL | Female | White | Hispanic or Latinx | f |

3. On which date are the shots fired correlating with the incident report date?

Query:

```
21 * CREATE VIEW shots_fired_incidents AS
  Select shots_fired.incident_number,
         shots_fired.incident_date,
         shots_fired.district_cd
    from shots_fired left join incidents on shots_fired.incident_date = incidents.occurred_on_date
   order by shots_fired.incident_date;
```

Output:

The screenshot shows a database interface with a query editor at the top containing the SQL code for creating a view. Below the editor is a results grid titled "Result Grid". The results grid displays a table with three columns: "incident_number", "incident_date", and "district_cd". The data consists of approximately 20 rows of timestamped incidents across various districts.

| incident_number | incident_date | district_cd |
|-----------------|---------------------|-------------|
| I152000042-00 | 2015-01-01 00:05:00 | A15 |
| I152000093-00 | 2015-01-01 04:17:00 | C11 |
| I152000514-00 | 2015-01-02 15:51:00 | B3 |
| I152000600-00 | 2015-01-02 22:25:00 | E13 |
| I152000856-00 | 2015-01-03 23:57:00 | B2 |
| I152000872-00 | 2015-01-04 00:13:00 | B2 |
| I152000965-00 | 2015-01-04 15:30:00 | B2 |
| I152001379-00 | 2015-01-05 22:00:00 | C6 |
| I152001625-00 | 2015-01-06 19:39:00 | B3 |
| I152001947-00 | 2015-01-08 12:30:00 | B3 |
| I152002240-00 | 2015-01-09 02:09:00 | A1 |
| I152002262-00 | 2015-01-09 07:53:00 | C11 |
| I152002410-00 | 2015-01-09 17:59:00 | C11 |
| I152002504-00 | 2015-01-10 01:35:00 | B2 |
| I152002524-00 | 2015-01-10 03:40:00 | B2 |

4. What are the top 10 districts that have the most incident reports?

Query:

```
CREATE VIEW top10_districts AS
Select count(incidents.incident_number) as total_incidents,
       incidents.district,
       districts.district_name
  from incidents
 inner join districts
    on incidents.district = districts.district_cd
 group by incidents.district
 order by total_incidents desc
 limit 10;
```

Output:

The screenshot shows a database query results interface. At the top, a command line displays the SQL query: `1 • SELECT * FROM crimeboard.top10_districts;`. Below the command line is a toolbar with zoom controls (100%, 1:1), a refresh icon, a filter rows icon, a search bar, and an export button. The main area is a "Result Grid" showing a table with three columns: `total_incide...`, `district`, and `district_name`. The data is as follows:

| | total_incide... | district | district_name |
|---|-----------------|----------|---------------|
| ▶ | 30 | B3 | Mattapan |
| | 24 | C11 | Dorchester |
| | 23 | B2 | Roxbury |
| | 11 | D4 | South End |
| | 7 | E18 | Hyde Park |
| | 6 | C6 | South Boston |
| | 4 | A7 | East Boston |
| | 4 | E13 | Jamaica Plain |
| | 2 | A15 | Charlestown |
| | 1 | A1 | Downtown |

5. In which districts were each shot fired?

Query:

```
39 • CREATE VIEW district_shot_fired AS
40     Select count(shots_fired.incident_id) as total_incidents,
41     shots_fired.district_cd,
districts.district_name
from shots_fired
inner join districts
on shots_fired.district_cd = districts.district_cd
group by shots_fired.district_cd
order by total_incidents desc;
```

Output:

The screenshot shows a MySQL command-line interface. At the top, a single line of code is displayed: `1 * SELECT * FROM crimeboard.district_shot_fired;`. Below the code, there is a progress bar indicating the completion of the query execution. The main area displays the results of the query in a tabular format. The table has three columns: `total_incide...`, `district_cd`, and `district_name`. The data is as follows:

| total_incide... | district_cd | district_name |
|-----------------|-------------|---------------|
| 2139 | B2 | Roxbury |
| 1921 | B3 | Mattapan |
| 1540 | C11 | Dorchester |
| 437 | E13 | Jamaica Plain |
| 330 | E18 | Hyde Park |
| 308 | D4 | South End |
| 247 | C6 | South Boston |
| 126 | D14 | Brighton |
| 117 | A7 | East Boston |
| 112 | E5 | West Roxbury |
| 72 | A1 | Downtown |
| 62 | A15 | Charlestown |

6. In which districts have the most shootings occurred?

Query:

```
49 * CREATE VIEW mostshooting_districts AS
50   Select count(shooting.incident_number) as total_incidents,
51   shooting.district_cd,
   districts.district_name,
   districts.phone
  from shooting
 join districts on shooting.district_cd = districts.district_cd
 group by district_cd
 order by total_incidents;
```

Output:

```
1 • | SELECT * FROM crimeboard.mostshooting_districts;
```

100% 1:1

Result Grid Filter Rows: Search Export:

| | total_incide... | district_... | district_name | phone |
|---|-----------------|--------------|---------------|----------------|
| ▶ | 1 | A1 | Downtown | (617) 343-4240 |
| | 1 | D14 | Brighton | (617) 343-4260 |
| | 1 | E5 | West Roxbury | (617) 343-4560 |
| | 2 | A15 | Charlestown | (617) 343-4888 |
| | 4 | A7 | East Boston | (617) 343-4220 |
| | 5 | E13 | Jamaica Plain | (617) 343-5630 |
| | 7 | C6 | South Boston | (617) 343-4730 |
| | 7 | E18 | Hyde Park | (617) 343-5600 |
| | 8 | D4 | South End | (617) 343-4250 |
| | 22 | C11 | Dorchester | (617) 343-4330 |
| | 24 | B2 | Roxbury | (617) 343-4270 |
| | 33 | B3 | Mattapan | (617) 343-4700 |

7. On what date was the number of guns recovered the highest?

Query:

```
59 • | CREATE VIEW highest_number_of_guns AS
60   Select collection_date,
61     (crimeguns_recovered + guns_recovered + buybackguns_recovered) as total_guns_recovered
62   from firearm_recovery
63   order by total_guns_recovered;
```

Output:

```
1 • | SELECT * FROM crimeboard.highest_number_of_guns;
```

100% 1:1

Result Grid Filter Rows: Search Export:

| | collection_date | total_guns_recover... |
|---|---------------------|-----------------------|
| ▶ | 2014-11-03 00:00:00 | NULL |
| | 2015-05-21 00:00:00 | NULL |
| | 2017-03-28 00:00:00 | NULL |
| | 2017-05-01 00:00:00 | NULL |
| | 2017-08-02 00:00:00 | NULL |
| | 2017-08-30 00:00:00 | NULL |
| | 2017-11-14 00:00:00 | NULL |
| | 2018-01-22 00:00:00 | NULL |
| | 2018-01-24 00:00:00 | NULL |
| | 2018-04-23 00:00:00 | NULL |
| | 2018-04-27 00:00:00 | NULL |
| | 2018-05-16 00:00:00 | NULL |
| | 2018-05-21 00:00:00 | NULL |
| | 2018-05-22 00:00:00 | NULL |
| | 2018-07-02 00:00:00 | NULL |
| | 2018-07-16 00:00:00 | NULL |

8. Were firearms recovered on the dates when shootings occurred?

Query:

```
65 • CREATE VIEW recovered_firearms_shooting AS
66     SELECT shooting.incident_number,
67             shooting.shooting_date,
68             shooting.district_cd
69         FROM shooting
70     LEFT JOIN firearm_recovery
    ON shooting.shooting_date = firearm_recovery.collection_date
        ORDER BY shooting.shooting_date;
```

Output:

1 • `SELECT * FROM crimeboard.recovered_firearms_shooting;`

The screenshot shows a database query results grid. At the top, there is a command line interface with the number '1' followed by a bullet point, the text '\$SELECT * FROM crimeboard.recovered_firearms_shooting;', and a cursor icon. Below this is a dark-themed result grid window. The grid has a header row with columns labeled 'incident_numb...', 'shooting_date', 'district_...', and others. The main body of the grid contains 18 data rows, each with a unique incident number, a specific shooting date and time, and a district code. The data spans from January 2022 to March 2022.

| incident_numb... | shooting_date | district_... | |
|------------------|---------------------|--------------|--|
| 222000018 | 2022-01-01 18:17:10 | C11 | |
| 222000342 | 2022-01-02 18:25:12 | C11 | |
| 222002059 | 2022-01-10 20:57:00 | B2 | |
| 222002279 | 2022-01-11 22:26:00 | B2 | |
| 222003887 | 2022-01-18 18:51:10 | C6 | |
| 222005232 | 2022-01-24 20:18:00 | A7 | |
| 222010971 | 2022-02-15 01:56:00 | C6 | |
| 222012303 | 2022-02-19 23:12:00 | B3 | |
| 222013916 | 2022-02-26 22:43:00 | C11 | |
| 222016123 | 2022-03-07 16:33:00 | D14 | |
| 222016376 | 2022-03-08 16:24:00 | A7 | |
| 222016718 | 2022-03-09 22:57:00 | C11 | |
| 222019112 | 2022-03-19 00:03:00 | C11 | |
| 222019622 | 2022-03-21 02:18:00 | B3 | |
| 222020180 | 2022-03-23 02:28:00 | A7 | |
| 222020987 | 2022-03-26 00:05:00 | A15 | |

9. How many crime-related firearms were collected on the dates when shootings occurred?

Query:

```
74 • CREATE VIEW crime_related_firearms AS
  SELECT shooting.incident_number,
         shooting.shooting_date,
         shooting.district_cd
    FROM shooting
   LEFT JOIN firearm_recovery
      ON shooting.shooting_date = firearm_recovery.collection_date
   WHERE firearm_recovery.crimeguns_recovered > 0
   ORDER BY shooting.shooting_date;
```

Output:

```
1 • |SELECT * FROM crimeboard.crime_related_firearms;
```

100% 1:1

Result Grid Filter Rows: Search Export:

| incident_num... | shooting_da... | district_... |
|-----------------|----------------|--------------|
| | | |

10. Which gender was involved with the most shooting?

Query:

```
84 •   CREATE view gender AS
85     Select shooting.victim_gender,
86     count(shooting.victim_gender) as count,
87     offense.offense_desc
88     from shooting
89     inner join incidents
90     on shooting.incident_number = incidents.incident_number
91     inner join offense
92     on incidents.offense_code = offense.offense_code
93     group by shooting.victim_gender, offense.offense_desc;
```

Output:

1 • `SELECT * FROM crimeboard.gender;`

100% 1:1

Result Grid Filter Rows: Search Export:

| | victim_gend... | count | offense_desc |
|---|----------------|-------|-----------------------------------|
| ▶ | Male | 70 | ASSAULT - AGGRAVATED |
| | Female | 3 | MURDER, NON-NEGIGENT MANSLAUGHTER |
| | Female | 16 | ASSAULT - AGGRAVATED |
| | Male | 22 | MURDER, NON-NEGIGENT MANSLAUGHTER |
| | Male | 3 | ROBBERY - STREET |
| | Male | 1 | DEATH INVESTIGATION |

11. Which race was involved with the most shooting?

Query:

```
95 *   CREATE VIEW race AS
96     Select shooting.victim_race,
97     count(shooting.victim_race) as count,
98     offense.offense_desc
99   from shooting
  inner join incidents
  on shooting.incident_number = incidents.incident_number
  inner join offense
  on incidents.offense_code = offense.offense_code
  group by shooting.victim_race, offense.offense_desc;
```

Output:

1 * |**SELECT * FROM crimeboard.race;**

100% 1:1

Result Grid Filter Rows: Search Export:

| | victim_race | count | offense_desc |
|---|---------------------------|-------|------------------------------------|
| ▶ | Unknown | 8 | ASSAULT - AGGRAVATED |
| ● | Black or African American | 23 | MURDER, NON-NEGLIGENT MANSLAUGHTER |
| ● | Black or African American | 60 | ASSAULT - AGGRAVATED |
| ● | White | 15 | ASSAULT - AGGRAVATED |
| ● | White | 3 | ROBBERY - STREET |
| ● | White | 2 | MURDER, NON-NEGLIGENT MANSLAUGHTER |
| ● | NULL | 0 | ASSAULT - AGGRAVATED |
| ● | Black or African American | 1 | DEATH INVESTIGATION |

12. Which ethnicity was involved with the most shooting?

Query:

```
106 •   CREATE VIEW ethnicity AS
107     Select shooting.victim_ethnicity,
108         count(shooting.victim_ethnicity) as count,
109         offense.offense_desc
110     from shooting
111     inner join incidents
112         on shooting.incident_number = incidents.incident_number
113     inner join offense
114         on incidents.offense_code = offense.offense_code
115     group by shooting.victim_ethnicity, offense.offense_desc;
```

Output:

1 • **SELECT * FROM crimeboard.ethnicity;**

100% 1:1

Result Grid Filter Rows: Search Export:

| | victim_ethnicity | count | offense_desc |
|---|------------------------|-------|------------------------------------|
| ▶ | Hispanic or Latinx | 23 | ASSAULT - AGGRAVATED |
| | HULL | 0 | MURDER, NON-NEGLIGENT MANSLAUGHTER |
| | Not Hispanic or Latinx | 45 | ASSAULT - AGGRAVATED |
| | Unknown | 11 | ASSAULT - AGGRAVATED |
| | HULL | 0 | ASSAULT - AGGRAVATED |
| | Not Hispanic or Latinx | 18 | MURDER, NON-NEGLIGENT MANSLAUGHTER |
| | Not Hispanic or Latinx | 1 | ROBBERY - STREET |
| | Hispanic or Latinx | 3 | MURDER, NON-NEGLIGENT MANSLAUGHTER |
| | Unknown | 3 | MURDER, NON-NEGLIGENT MANSLAUGHTER |
| | Hispanic or Latinx | 2 | ROBBERY - STREET |
| | Not Hispanic or Latinx | 1 | DEATH INVESTIGATION |

13. Which type of offense is the most recorded?

Query:

```
117 • CREATE VIEW most_recorded_offense AS
118     Select incidents.offense_code,
119         count(incidents.offense_code) as count_of_offence,
120         offense.offense_desc
121     from incidents
122     Join offense
123     on incidents.offense_code = offense.offense_code
124     group by offense_code
125     order by count_of_offence;
```

Output:

1 • SELECT * FROM crimeboard.most_recorded_offense;

100% 1:1

Result Grid Filter Rows: Search Export:

| offense_code | count_of_offen... | offense_desc |
|--------------|-------------------|------------------------------------|
| 3001 | 1 | DEATH INVESTIGATION |
| 301 | 3 | ROBBERY - STREET |
| 111 | 25 | MURDER, NON-NEGLIGENT MANSLAUGHTER |
| 423 | 86 | ASSAULT - AGGRAVATED |

14. How many incidents had ballistic evidence recovered?

Query:

```
127 •    CREATE VIEW ballistic_evidence AS
128      Select shots_fired.incident_number,
129          Shots_fired.district_cd,
130          districts.district_name,
131          Shots_fired.ballistics_evidence
132      From Shots_fired
133      Join districts
134      on Shots_fired.district_cd = districts.district_cd
135      Where Shots_fired.ballistics_evidence = "t";
```

Output:

1 • `SELECT * FROM crimeboard.ballistic_evidence;`

100% 1:1

Result Grid Filter Rows: Search Export:

| | incident_number | district_cd | district_name | ballistics_evidence | |
|---|-----------------|-------------|---------------|---------------------|--|
| ▶ | I152002965-00 | A1 | Downtown | t | |
| | I152078240 | A1 | Downtown | t | |
| | I162021632 | A1 | Downtown | t | |
| | I162025054 | A1 | Downtown | t | |
| | I162061114 | A1 | Downtown | t | |
| | I162067934 | A1 | Downtown | t | |
| | I162073694 | A1 | Downtown | t | |
| | I172026643 | A1 | Downtown | t | |
| | I172046625 | A1 | Downtown | t | |
| | I172072676 | A1 | Downtown | t | |
| | I172091238 | A1 | Downtown | t | |
| | I182003797 | A1 | Downtown | t | |
| | I182040599 | A1 | Downtown | t | |
| | I192030581 | A1 | Downtown | t | |
| | I192075994 | A1 | Downtown | t | |

15. Which districts had the most ballistic evidence recovered?

Query:

```
137 •    CREATE VIEW most_ballistic_evidence_districts AS
138      Select districts.district_cd,
139      count(shots_fired.district_cd) AS count
140      From districts
141      join shots_fired
142      on districts.district_cd = shots_fired.district_cd
143      Where Shots_fired.ballistics_evidence = "t"
          Group by districts.district_cd
          Order by count desc
          LIMIT 1;
```

Output:

1 • `SELECT * FROM crimeboard.most_ballistic_evidence_districts;`

The screenshot shows a database query results grid. At the top, there is a toolbar with various icons and buttons. Below the toolbar, the results are displayed in a table format. The table has two columns: 'district_...' and 'count'. There is one row of data: 'B2' in the first column and '768' in the second column.

| district_... | count |
|--------------|-------|
| B2 | 768 |

16. Which incidents resulted in multiple victims?

Query:

```
148 •  CREATE VIEW mutliple_victims AS
149      Select incidents.incident_number,
          Shooting.multi_victim
     From incidents inner join shooting
    on incidents.incident_number = shooting.incident_number
   Where shooting.multi_victim = "t"
  Group by incidents.incident_number,
           shooting.multi_victim;
```

Output:

1 • `SELECT * FROM crimeboard.mutliple_victims;`

The screenshot shows a database query results grid. The top bar includes a zoom level of 100%, a 1:1 ratio, and various export and search options. The grid has two columns: 'incident_numb...' and 'multi_vict...'. The data consists of 20 rows, each containing an incident number and a 't' value in the multi-victim column.

| incident_numb... | multi_vict... |
|------------------|---------------|
| 222002000 | t |
| 222012303 | t |
| 222020180 | t |
| 222024777 | t |
| 222025588 | t |
| 222025866 | t |
| 222026988 | t |
| 222035664 | t |
| 222036408 | t |
| 222040222 | t |
| 222049436 | t |
| 222049446 | t |
| 222052134 | t |
| 222057534 | t |
| 222062857 | t |
| 222067867 | t |

17. Which district had more than 1 victim?

Query:

```
157 • CREATE VIEW more_than_one_victim AS
158     Select shooting.incident_number,
159         shooting.district_cd,
160         districts.district_name,
161         shooting.multi_victim
162     From shooting
        Join districts
        On shooting.district_cd = districts.district_cd
        Where shooting.multi_victim = "t"
        Group by
            shooting.incident_number,
            shooting.district_cd,
            districts.district_name,
            shooting.multi_victim;
```

Output:

1 • SELECT * FROM crimeboard.more_than_one_victim;

The screenshot shows a database query results grid. At the top, there is a command line with the text "1 • SELECT * FROM crimeboard.more_than_one_victim;". Below the command line is a toolbar with various icons. The main area displays a table with four columns: "incident_number", "district_cd", "district_name", and "multi_victim". There are 19 rows of data in the table.

| incident_number | district_cd | district_name | multi_victim |
|-----------------|-------------|---------------|--------------|
| 222012303 | B3 | Mattapan | t |
| 222020180 | A7 | East Boston | t |
| 222024777 | E5 | West Roxbury | t |
| 222025588 | C6 | South Boston | t |
| 222025866 | E13 | Jamaica Plain | t |
| 222026988 | A1 | Downtown | t |
| 222035664 | B3 | Mattapan | t |
| 222036408 | E13 | Jamaica Plain | t |
| 222040222 | B3 | Mattapan | t |
| 222049436 | B2 | Roxbury | t |
| 222049446 | C11 | Dorchester | t |
| 222052134 | B2 | Roxbury | t |
| 222057534 | C11 | Dorchester | t |
| 222062857 | C6 | South Boston | t |
| 222067867 | C11 | Dorchester | t |

18. Which day of week had the least shooting?

Query:

```
172 *  CREATE VIEW least_shooting AS
173   SELECT CASE DAYOFWEEK(incidents.occurred_on_date)
174     WHEN 1 THEN 'SUNDAY'
175     WHEN 2 THEN 'MONDAY'
176     WHEN 3 THEN 'TUESDAY'
177     WHEN 4 THEN 'WEDNESDAY'
178     WHEN 5 THEN 'THURSDAY'
179     WHEN 6 THEN 'FRIDAY'
180     WHEN 7 THEN 'SATURDAY'
181   END,
182   count(incidents.incident_number) as count
183   FROM incidents
184   join shooting
185   on incidents.incident_number = shooting.incident_number
186   GROUP BY incidents.occurred_on_date
187   ORDER BY count desc
188   LIMIT 1;
```

Output:

```
1 * |SELECT * FROM crimeboard.least_shooting;
```

100% 1:1

Result Grid Filter Rows: Search Export:

| Name_exp_1 | count |
|------------|-------|
| MONDAY | 5 |

19. Which hour of the day has the most shootings?

Query:

```
190 • CREATE VIEW least_hour_shooting AS
191     SELECT incidents.hour,
192         count(incidents.incident_number) as count
193     FROM incidents
194     join shooting
195         on incidents.incident_number = shooting.incident_number
196     GROUP BY
197         incidents.hour
198     ORDER BY count desc
199     LIMIT 1;
```

Output:

```
1 •     SELECT * FROM crimeboard.least_hour_shooting;
```

100% ◇ 1:1

Result Grid Filter Rows: Search Export:

| | hour | count | |
|--|------|-------|--|
| | 22 | 17 | |

20. What is the highest number of buyback guns recovered for a particular incident date?

Query:

```
201 • CREATE VIEW highest_no_of_buyback_guns AS
202     SELECT firearm_recovery.collection_date,
203         firearm_recovery.buybackguns_recovered
204     FROM firearm_recovery
205     INNER JOIN incidents
206     ON firearm_recovery.collection_date = incidents.occurred_on_date
207     GROUP BY
208         firearm_recovery.collection_date,
209         firearm_recovery.buybackguns_recovered
210     ORDER BY firearm_recovery.buybackguns_recovered;
211
```

Output:

The screenshot shows a database interface with a query editor and a results grid. The query editor contains the creation of a view and its execution. The results grid displays the data from the view.

Query in the editor:

```
1 • $SELECT * FROM crimeboard.highest_no_of_buyback_guns;
```

Results Grid:

| collection_date | buybackguns_recovered |
|---------------------|-----------------------|
| 2022-01-01 00:00:00 | 0 |
| 2022-01-02 00:00:00 | 0 |
| 2022-01-10 00:00:00 | 0 |
| 2022-01-11 00:00:00 | 0 |
| 2022-01-18 00:00:00 | 0 |
| 2022-01-23 00:00:00 | 0 |
| 2022-02-15 00:00:00 | 0 |
| 2022-02-19 00:00:00 | 0 |
| 2022-02-26 00:00:00 | 0 |
| 2022-03-07 00:00:00 | 0 |
| 2022-03-08 00:00:00 | 0 |
| 2022-03-09 00:00:00 | 0 |
| 2022-03-19 00:00:00 | 0 |
| 2022-03-21 00:00:00 | 0 |
| 2022-03-23 00:00:00 | 0 |
| 2022-03-26 00:00:00 | 0 |